Amendments to the Specification:

On page 3, please amend paragraph [0014] as follows:

[0014] Figures [[7A-D]] 7A-C are frequency diagrams for a signal processed by a filter system;

On page 17, please amend paragraph [0053] as follows:

[0053]   In the present embodiment, the filter system 514 comprises multiple stages for the various channels.   Each stage suitably comprises a conventional digital filter for removing selected frequencies from the excursion signal for the particular channel.   For example, each stage may include a down converter 520, a low pass filter 522, and an up converter 524, and each channel suitably operates in a similar manner.   Referring to Figures 5 and [[7A-D]] 7A-C, the down converter 520 receives the excursion signal 516, which exhibits a wide range of frequencies (Figure 7A).   The down converter 520 shifts the frequency of the entire input spectrum to the left, such as by an amount substantially corresponding to the center frequency of the relevant channel. The low pass filter 522 filters input signals to substantially stop signals above a selected cutoff frequency F_C and substantially transmit signals below the selected cutoff frequency (Figure 7B).   The up converter 524 adjusts the frequency of the input signal to a higher frequency, such as to a selected frequency or by a selected amount.   In the present embodiment, the up converter 524 shifts the center frequency by an amount substantially corresponding to the center frequency of the relevant channel, i.e. back to the original intermediate frequency IF (Figure 7C). The various filtered signals are then combined into a composite signal by a filtered signal summer 550.